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Study of human serum albumin in anhydrous organic media by isothermal calorimetry and IR-spectroscopy

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Abstract

On the basis of a comparison of results obtained by isothermal calorimetry and IR spectroscopy, it was shown that the state of dry human serum albumin in anhydrous aliphatic alcohols, proton-acceptor organic liquids, and water at room temperature is mainly dependant on two factors: the thermodynamic hydrophily and proton-donor capacity of the medium.